

CN 0 (Cytokines); 0 (Extracellular Matrix Proteins); 0 (Fibronectins); 0 (Interleukin-6); 0 (Tumor Necrosis Factor)

L151 ANSWER 4 OF 4 MEDLINE  
 AN 93065133 MEDLINE  
 DN 93065133 PubMed ID: 1437506  
 TI Immunomodulators. Future prospects.  
 AU Takx-Kohlen B C  
 CS Department of Clinical Pharmacy and Toxicology, University Hospital of Maastricht, The Netherlands.  
 SO PHARMACEUTISCH WEEKBLAD. SCIENTIFIC EDITION, (1992 Aug 21) 14 (4A) 245-52.  
 Ref: 46  
 Journal code: 7907992. ISSN: 0167-6555.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199212  
 ED Entered STN: 19930122  
 Last Updated on STN: 19930122  
 Entered Medline: 19921204  
 AB The future role of the immunomodulators in medical practice is yet to be defined. The key question is whether these new substances will bring remarkable progress in transplantation or in the treatment of such conditions as cancer, AIDS, and **autoimmune** diseases, or whether they will be of only minor adjunctive importance. As background to the discussion of immunomodulating agents, the immune system is explained, with emphasis on the roles of T and B lymphocytes, **macrophages**, phagocytes, human leukocyte antigen and the complement system. Special attention is given to the cytokines, particularly the lymphokines. The immunomodulators can be divided into three main groups: immunosuppressive agents, such as FK 506 and rapamycin; immunostimulating agents, of which BCG vaccine is most important; and the remaining immunomodulators, which include the biological response modifiers. The last group, which encompasses the **colony-stimulating factors** (GM-CSF, G-CSF, and M-CSF), the interleukins, the interferons, and the tumour necrosis factors, is described in detail. Innovative research and medical applications of these cytokines, including indications, contraindications, and adverse reactions, are discussed. The role of **monoclonal antibodies** against endotoxins is also described.  
 CT Check Tags: Animal; Human  
 \*Adjuvants, Immunologic: TU, therapeutic use  
 Forecasting  
 CN 0 (Adjuvants, Immunologic)

=> d his

(FILE 'HOME' ENTERED AT 10:59:27 ON 09 DEC 2002)  
 SET COST OFF

FILE 'REGISTRY' ENTERED AT 10:59:39 ON 09 DEC 2002  
 E COLONY STIMULATING FACTOR/CN

L1 1 S E9  
 E MCSF/CN  
 E M-CSF/CN  
 L2 2 S E3  
 L3 1 S L2 NOT SQL/FA

FILE 'HCAPLUS' ENTERED AT 11:01:08 ON 09 DEC 2002

L4 2122 S L1  
 L5 3184 S L3  
 L6 17804 S COLONY STIMULATING FACTOR  
 L7 10562 S MACROPHAGE COLONY STIMULATING FACTOR  
 L8 28846 S CSF OR MCSF OR M CSF  
 L9 7 S M COLONY STIMULATING FACTOR  
 L10 389 S MONOCYTE COLONY STIMULATING FACTOR  
 L11 6 S MACROPHAGE MONOCYTE COLONY STIMULATING FACTOR  
 L12 9 S COLONY FORMATION STIMULATING FACTOR  
 L13 2 S NEUTROPHIL ALKALINE PHOSPHATASE INDUCING FACTOR  
 L14 34366 S L4-L13  
     E INFLAMMATION/CT  
 L15 3952 S E9,E24  
     E E3+ALL  
 L16 70854 S E2+NT  
     E E36+ALL  
 L17 27318 S E3+NT  
     E E18+ALL  
 L18 6730 S E6,E5+NT  
     E E10+ALL  
 L19 10558 S E2  
     E PSORIASIS/CT  
 L20 25 S E4,E5  
     E E3+ALL  
 L21 6351 S E4  
     E E14  
     E E7+ALL  
 L22 193 S E2  
     E ANTI-PSOR/CT  
     E ANTI-PSOR/CT  
     E RHEUMATOID ARTHRITIS/CT  
 L23 229 S E4,E5  
     E E3+ALL  
 L24 10055 S E10,E11,E9+NT  
 L25 1359 S E20+NT  
     E E20+ALL  
 L26 1662 S E4,E5  
     E ANTIARTHIT/CT  
     E E4+ALL  
 L27 4389 S E5,E4+NT  
     E ARTHRITIS/CT  
 L28 7433 S E4-E24  
     E E3+ALL  
 L29 19347 S E6+NT  
     E SEPSIS/CT  
 L30 818 S E4-E6,E8-E11  
     E E3+ALL  
 L31 8169 S E4,E3+NT  
     E ATHEROSCLERO/CT  
 L32 78 S E5  
     E E4+ALL  
 L33 22794 S E7-E9,E6+NT  
     E ATHEROSCLERO/CT  
     E E6+ALL  
 L34 4147 S E2  
     E ANTIATHEROSCLERO/CT  
     E E6+ALL  
     E AUTOIMMUN/CT  
 L35 1 S E10  
     E E9+ALL  
     E E2+ALL  
 L36 22243 S E3,E2+NT  
     E OSTEROPOROSIS/CT

L37 2793 S E4-E6, E8, E9  
 E E7+ALL  
 L38 2079 S E2  
 E OSTEOPOROSIS/CT  
 E E3+ALL  
 L39 7747 S E6+NT  
 E BONE DENSITY/CT  
 E E2+ALL  
 L40 906 S E2  
 E BONE/CT  
 L41 5694 S E15, E56, E57  
 E E134+ALL  
 L42 813 S E2  
 E BONE REMINERAL/CT  
 E E4+ALL  
 L43 680 S E2  
 E BONE, DISEAE/CT  
 L44 105 S E15  
 L45 8359 S E43, E44  
 L46 249 S E69, E70  
 E RESORPTION/CT  
 E E4+ALL  
 L47 275477 S ?INFLAM? OR ?POSTEOPOR? OR ?OESTEOPOR? OR ?AUTOIMMUN? OR IMMUN  
 L48 5342 S L14 AND L15-L47  
 L49 828 S L48 AND L4, L5  
 6 S L49 AND MAB  
 L51 65 S L49 AND MONOCLON? (L) ANTIBOD?  
 L52 86 S L49 AND ANTIBOD?/CW  
 L53 86 S L49 AND ANTIBOD?/CT  
 L54 113 S L50-L53  
 L55 27 S L54 AND CHEMOKIN?  
 E CHEMOKINE/CT  
 E E35+ALL  
 L56 6395 S E6, E5+NT  
 E E18+ALL  
 L57 4479 S E12, E13, E11+NT  
 L58 26 S L54 AND L56, L57  
 L59 29 S L55, L58  
 L60 1 S L59 AND PROMOTER/TI  
 L61 4 S L59 AND ANTIBOD?/TI  
 SEL DN AN 4  
 L62 1 S L61 AND E1-E3  
 L63 2 S L60, L62  
 E SHOCK/CT  
 E E4+ALL  
 L64 10981 S E5, E6, E4+NT  
 E E23+ALL  
 L65 3950 S E3, E2+NT  
 E E19+ALL  
 L66 11191 S E12-E14, E11+NT  
 E E23+ALL  
 L67 942 S E5, E4+NT  
 E E16+ALL  
 E E24+ALL  
 L68 296 S L14 AND L64-L57  
 42 S L68 AND (MAB OR MONOCLON? (L) ANTIBOD?)  
 L70 58 S L68 AND ANTIBOD?/CT, CW  
 L71 43 S L70 AND CHEMOKIN?  
 E CHEMOKINE/CT  
 E E35+ALL  
 L72 6395 S E6, E5+NT  
 E E18+ALL

L73 4479 S E12,E13,E11+NT  
 L74 43 S L70 AND L72,L73  
 L75 17 S L71,L74 NOT L59  
     E DEVALARAJA M/AU  
 L76 10 S E4,E5  
     E LOW J/AU  
 L77 12 S E3,E9,E10  
 L78 16 S E55-E57  
 L79 36 S L76-L78  
 L80 1 S L79 AND L14  
 L81 2 S L59 AND INHIBIT?/TI  
 L82 1 S L81 NOT METALLOPROT?  
 L83 2 S L60,L82 AND L4-L82  
     E PFIZER/PA,CS  
 L84 9784 S E3,E4  
 L85 28 S L84 AND L14  
 L86 13 S L85 AND L48  
     SEL DN AN 7 9  
 L87 2 S L86 AND E1-E6  
 L88 4 S L83,L87  
 L89 4 S L88 AND L4-L88  
 L90 1 S L89 AND RESPIR?  
 L91 4 S L89,L90  
     SEL HIT RN

FILE 'REGISTRY' ENTERED AT 11:48:54 ON 09 DEC 2002  
 L92 2 S E7-E8

FILE 'REGISTRY' ENTERED AT 11:49:07 ON 09 DEC 2002

FILE 'HCAPLUS' ENTERED AT 11:49:20 ON 09 DEC 2002

FILE 'WPIX' ENTERED AT 11:51:26 ON 09 DEC 2002  
     E A61K039-39/IC, ICM, ICS  
 L93 8209 S E12-E14  
     E C07K016-24/IC, ICM, ICS  
 L94 628 S E3-E5  
 L95 277 S L93 AND L94  
 L96 2601 S L6-L13  
 L97 146 S L93 AND L96  
 L98 12 S L95 AND L97  
 L99 256 S L9 OR L10 OR L11 OR MCSF OR M CSF  
 L100 24 S L99 AND L93  
 L101 24 S L99/ABEX  
 L102 2 S L101 AND L93  
 L103 25 S L100,L102  
     E US2000-190842/AP, PRN  
     E US2001-885259/AP, PRN  
     E DEVALARAJA M/AU  
     E LOW J/AU  
 L104 9 S E3,E7  
 L105 0 S L104 AND L93-L103  
 L106 3 S L104 AND CHEMOKIN?  
 L107 5 S L104 AND ?INFLAM?  
 L108 5 S L106,L107

FILE 'WPIX' ENTERED AT 12:03:21 ON 09 DEC 2002  
 L109 0 S PFIZ?/PA AND L99  
 L110 0 S PFIZ?/PA AND L94

FILE 'MEDLINE' ENTERED AT 12:04:13 ON 09 DEC 2002  
 L111 2291 S L99  
 L112 2289 S L3

L113 0 S L1  
L114 25385 S L6  
L115 3139 S L111,L112 AND L114  
L116 3393 S L111,L112,L115  
E COLONY-/CT  
E E36+ALL  
L117 6774 S E66,E34  
L118 7647 S L116,L117  
L119 804 S L118 AND L47  
E INFLAMMATION/CT  
E E3+ALL  
L120 94 S L118 AND E4+NT  
L121 7 S L118 AND E38+NT  
L122 209 S L118 AND E39+NT  
E OSTEOPOROSIS/CT  
E E3+ALL  
L123 11 S L118 AND E4+NT  
E BONE DENSITY/CT  
E E3+ALL  
L124 7 S L118 AND E4+NT  
E BONE DEMINERAL/CT  
E E12+ALL  
L125 0 S L118 AND E5+NT  
E BONE REMINERAL/CT  
E E13+ALL  
L126 128 S L118 AND E12+NT  
E CLIM/CT  
E E4+ALL  
L127 1 S L118 AND E4+NT AND ("BONE AND BONES"+NT OR BONE DISEASES, MET  
E AUTOIMMUNE/CT  
L128 107 S L118 AND E16+NT  
E ATHEROSCLER/CT  
E E8+ALL  
L129 49 S L118 AND E2+NT  
E E2+ALL  
E SEPSIS/CT  
E E3+ALL  
L130 34 S L118 AND E4+NT  
E ASTHMA/CT  
E E3+ALL  
L131 7 S L118 AND E15+NT  
L132 61 S L118 AND E27+NT  
E ARTHRITIS/CT  
E E3+ALL  
L133 62 S L118 AND E4+NT  
L134 1 S L118 AND (E41+NT OR E42+NT)  
E PSORIASIS/CT  
E E3+ALL  
L135 6 S L118 AND E5+NT  
L136 1163 S L119-L135  
E MONOCLONAL ANTIBODY/CT  
E E1+ALL  
L137 0 S L135 AND E2+NT  
E E2+ALL  
L138 0 S L135 AND E7+NT  
L139 10 S L136 AND MAB  
L140 69 S L136 AND MONOCLON?(L)ANTIBOD?  
L141 74 S L139,L140  
E DEVALARAJA M/AU  
L142 8 S E4  
E LOW J/AU  
L143 75 S E3,E8  
L144 0 S L142,L143 AND L118

L145 55 S L141 AND L116  
L146 55 S L118 AND L145  
SEL DN AN 9 11 17 50  
L147 4 S L146 AND E1-E12  
L148 4 S L147 AND L111-L147  
L149 4 S L147 AND (CSF# OR CSF 1)  
L150 4 S L147 AND MACROPHAG?  
L151 4 S L147-L150

FILE 'MEDLINE' ENTERED AT 12:28:45 ON 09 DEC 2002

FILE 'BIOSIS' ENTERED AT 12:28:51 ON 09 DEC 2002  
E DEVALARAJA M/AU

L152 13 S E2,E4,E5  
E LOW J/AU  
L153 49 S E3,E12,E13  
E LOW JOE/AU  
L154 6 S E3,E9,E10  
L155 68 S L152-L154  
L156 0 S L14 AND L155  
L157 0 S L152 AND L153,L154